CONTENTS OF VOLUME XXIV

Number 1, January, 1965

Presidential Address. The Medical Profession and Neuropathology. M. G. Netsky, M.D., Charlottesville, Va. 1

Electron Microscopic Studies on the Vascular Permeability and the Mechanism of Demyelination in Experimental Allergic Encephalomyelitis. P. Lampert, M.D., and S. Carpenter, Capt., MC, USAR, Washington, D. C. 11

Ultrastructure of Corpora Amylacea. H. J. Ramsey, Ph.D., Phoenix, Arizona 25

Fibrous Long-Spacing Collagen in Tumors of the Nervous System. H. J. Ramsey, Ph.D., Phoenix, Arizona 40

Morphological and Permeability Changes in the Cerebral Parenchyma Adjacent to Heterologous Intracerebral Tumors. M. R. Krigman, M.D., and E. E. Manuelidis, M.D., New Haven, Conn. 49

Fibrocartilagenous Venous Emboli to the Spinal Cord with Necrotic Myelopathy. I. Feigin, M.D., N. Popoff, M.D., and M. Adachi, M.D., New York, N. Y. 63

The Effect of Metrazol on the Hemodynamics and Impedance of the Cat's Brain Cortex. M. N. Shalit, M.D., Jerusalem, Israel 75

Pompe's Disease (Diffuse Glycogenosis) with Neuronal Storage. E. L. Mancall, M.D., G. E. Aponte, M.D., and R. G. Berry, M.D., Philadelphia, Pa. 85

A Histochemical Study of the Effects of an Antimetabolite, 6-Aminonicotinamide, on the Lumbar Spinal Cord of the Adult Rat. D. L. Schotland, M.D., D. Cowen, M.D., L. M. Geller, and A. Wolf, M.D., New York, N. Y. 97

X-Ray Diffraction and Other Studies of the Calcareous Deposits in Human Pineal Glands. K. M. Earle, M.D., Washington, D. C. 108

The Regional Distribution of Transketolase in the Normal and the Thiamine Deficient Nervous System. P. M. Dreyfus, M. D., Boston, Mass. 119

Technical Note. A Silver Method for Paraffin Sections of Neural Tissue. A. C. Sevier, and B. L. Munger, M.D., St. Louis, Mo. 130

American Association of Neuropathologists, Annual Meeting, Atlantic City, N. J. 136

Book Reviews 178

Announcement 185

Number 2, April, 1965

In Memoriam. John I. Nurnberger, M.D., Indianapolis, Indiana 183

Experimental Production of Neurofibrillary Degeneration. I. Light Microscopic Observations. I. Klatzo, M.D., H. Wisniewski, M.D., and E. Streicher, Ph.D., Bethesda, Md. 187

Experimental Production of Neurofibrillary Degeneration. 2. Electron Microscopy, Phosphatase Histochemistry and Electron Probe Analysis. R. D. Terry, M.D., and C. Peña, M.D., New York, N. Y. 200

Chemical Studies on Alzheimer's Disease. K. Suzuki, M.D., R. Katzman, M.D., and S. R. Korey, M.D., New York, N. Y. 211

Virus Particles in Reactive Cells Induced by Intracerebral Implantation of Dibenzanthracene. F. Ikuta, M.D., and H. M. Zimmerman, M.D., New York, N. Y. 225

Biochemical and Morphologic Studies of Cerebral Edema Associated with Intracerebral Tumors in Rabbits. I. Herzog, M.D., W. A. Levy, M.D., and L. C. Scheinberg, M.D., New York, N. Y. 244

Formation of the Membranous Cytoplasmic Bodies in Tay-Sachs Disease: An *In Vitro* Study. S. Samuels, Ph.D., N. K. Gonatas, M.D., and M. Weiss, M.A., New York, N. Y. 256

Studies in Globoid (Krabbe) Leukodystrophy.—III. Significance of Experimentally-Produced Globoid-Like Elements in Rat White Matter and Spleen. J. H. Austin, M.D., and D. Lehfeldt, M.D., Portland, Oregon 265

Isolation and Characterization of the Main Splenic Glycolipids in the Normal Organ and in Gaucher's Disease: Evidence for the Site of Metabolic Block. M. Philippart, M.D., B. Rosenstein, M.D., and J. H. Menkes, M.D., Baltimore, Md. 290

Electron Microscopy of Two Cerebral Biopsies in Gargoylism. F. P. Alec, M.D., R. D. Terry, M.D., and H. Zellweger, M.D., New York, N. Y. 304

Ultrastructural and Biochemical Observations on a Case of Systemic Late Infantile Lipidosis and its Relationship to Tay-Sachs Disease and Gargoylism. N. K. Gonatas, M.D., and J. Gonatas, B.A., New York, N. Y. 318

Structure Comparison of the Major Monosialogangliosides from Brains of Normal Human, Gargoylism, and Late Infantile Systemic Lipidosis. Part I. R. Ledeen, Ph.D., K. Salsman, A.A.S., J. Gonatas, B.S., and A. Taghavy, M.D., New York, N.Y. 341

Studies in the Histochemistry of Plasmalogens. II. A New, Specific Reaction for Demonstrating Fixative-Stable Plasmalogens with Special Reference to Brain. W. T. Norton, Ph.D., M. Brotz, and S. R. Korey, M.D., New York, N. Y. 352

Number 3, July, 1965

Demyelination and Remyelination in Experimental Allergic Encephalomyelitis. Further Electron Microscopic Observations. Peter W. Lampert, M.D., Washington, D. C. 371

Fine Structure of Cerebral Fluid Accumulation. VII. Reactions of Astrocytes to Cryptococcal Polysaccharide Implantation. A. Hirano, M.D., H. M. Zimmerman, M.D., and S. Levine, M.D., New York, N. Y. 386

Phase and Electron Microscopic Observations of Lewy Bodies and Melanin Granules in the Substantia Nigra and Locus Caeruleus in Parkinson's Disease. Philip E. Duffy, M.D., and V. M. Tennyson, M.D., New York, N. Y. 398

Neuropathological Features of Human Organ Transplantation. I. Probable Cytomegalovirus Infection. Stuart A. Schneck, M.D., Denver, Colorado 415

Diffusion of Ferritin within the Peripheral Nerve Sheath: An Electron Microscopy Study. J. D. Waggener, M.D., S. M. Bunn, and J. Beggs, B.A., Phoenix, Arizona 430

Muscle Fine Structure in the Kugelberg-Welander Syndrome (Chronic Spinal Muscular Atrophy). R. G. Roth, M.D., L. J. Graziani, M.D., R. D. Terry, M.D., and L. C. Scheinberg, M.D., New York, N. Y. 444

Atherosclerosis of the Carotid and Vertebral Arteries—Extracranial and Intracranial. C. M. Fisher, M.D., I. Gore, M.D., N. Okabe, M.D., and P. D. White, M.D., Boston, Mass. 455

Enzyme Histochemical Studies of Senile Plaques. R. L. Friede, M.D., Ann Arbor, Michigan 477

Cerebral Artery Aneurysm in Infancy: Association with Agenesis of the Corpus Callosum. C. Garcia-Chavez, M.D., and J. Moossy, M.D., New Orleans, La. 492

Neuropathological Study of Experimental Epileptogenic Lesions in the Cat. C. I. Mayman, M.D., J. S. Manlapaz, M.D., H. T. Ballantine, Jr., M.D., and E. P. Richardson, Jr., M.D., Boston, Mass. 502

Large Defects in Cerebral Hemispheres Associated with Cortical Dysgenesis. A. Dekaban, M.D., Bethesda, Md. 512

Technical Note. Paraphenylenediamine Staining of Osmium-Fixed Plastic-Embedded Tissue for Light and Phase Microscopy. J. F. Estable-Puig, M.D., W. C. Bauer, Capt. M.C., USA, and J. M. Blumberg, Brig. Gen., M.C., USA, Washington, D. C. 531

Book Reviews 536

Number 4, October, 1965

Unusual Neocortical Presynaptic Terminals in a Patient with Convulsions, Mental Retardation and Cortical Blindness: An Electron Microscopic Study. N. K. Gonatas, M.D., and E. S. Goldensohn, M.D., Philadelphia, Pa. 539

Fetal Minamata Disease. A Neuropathological Study of Two Cases of Intrauterine Intoxication by a Methyl Mercury Compound. H. Matsumoto, M.D., G. Koya, M.D., and T. Takeuchi, M.D., Kumamoto, Japan 563

Electron Microscopic Study in Two Cases of Jakob-Creutzfeldt Disease. N. K. Gonatas, M.D., R. D. Terry, M.D., and M. Weiss, M.D., New York, N. Y. 575

The Distribution of Neuroaxonal Lesions in Mice Injected with Iminodipropionitrile with Special Reference to the Vestibular System. D. E. Slagel, Ph.D., and H. A. Hartmann, M.D., Madison, Wisc. 599

The Fine Structure of a Cerebellar Hemangioblastoma. P. A. Cancilla, M.D., and H. M. Zimmerman, M.D., New York, N. Y. 621

Ultrastructural Studies of Muscle in McArdle's Disease (Deficiency of Muscle Phosphorylase). D. L. Schotland, M.D., D. Spiro, M.D., L. P. Rowland, M.D., and P. Carmel, M.D., New York, N. Y. 629

The Laminar Pattern and Distribution of Cell Size in the Lateral Geniculate Nucleus in Man. C. Kupfer, M.D., Boston, Mass. 645

The Distribution of Cell Size in the Lateral Geniculate Nucleus of Man Following Transneuronal Cell Atrophy. C. Kupfer, M.D., Boston, Mass. 653

Experimental Rabies. Studies of Cellular Vulnerability and Pathogenesis Using Fluorescent Antibody Staining. R. T. Johnson, M.D., Cleveland, Ohio 662

Chelatable Iron in Senile Siderocalcification of the Human Brain. A. F. Liber, M.D., Bronx, N. Y. 675

A Case of Hypertrophic Interstitial Neuritis Coexisting with Dementia and Cerebellar Degeneration. L. N. Green, M.D., I. Herzog, M.D., and D. Aberfeld, M.D., New York, N. Y. 682

Book Reviews 690

Index to Volume XXIV 693